



The Importance of Transportation Investments to Support Economic Development in Rural and Urban North Carolina Communities

House Select Committee on Strategic Transportation
Planning and Long-Term Funding Solutions

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North Carolina Economic Experience



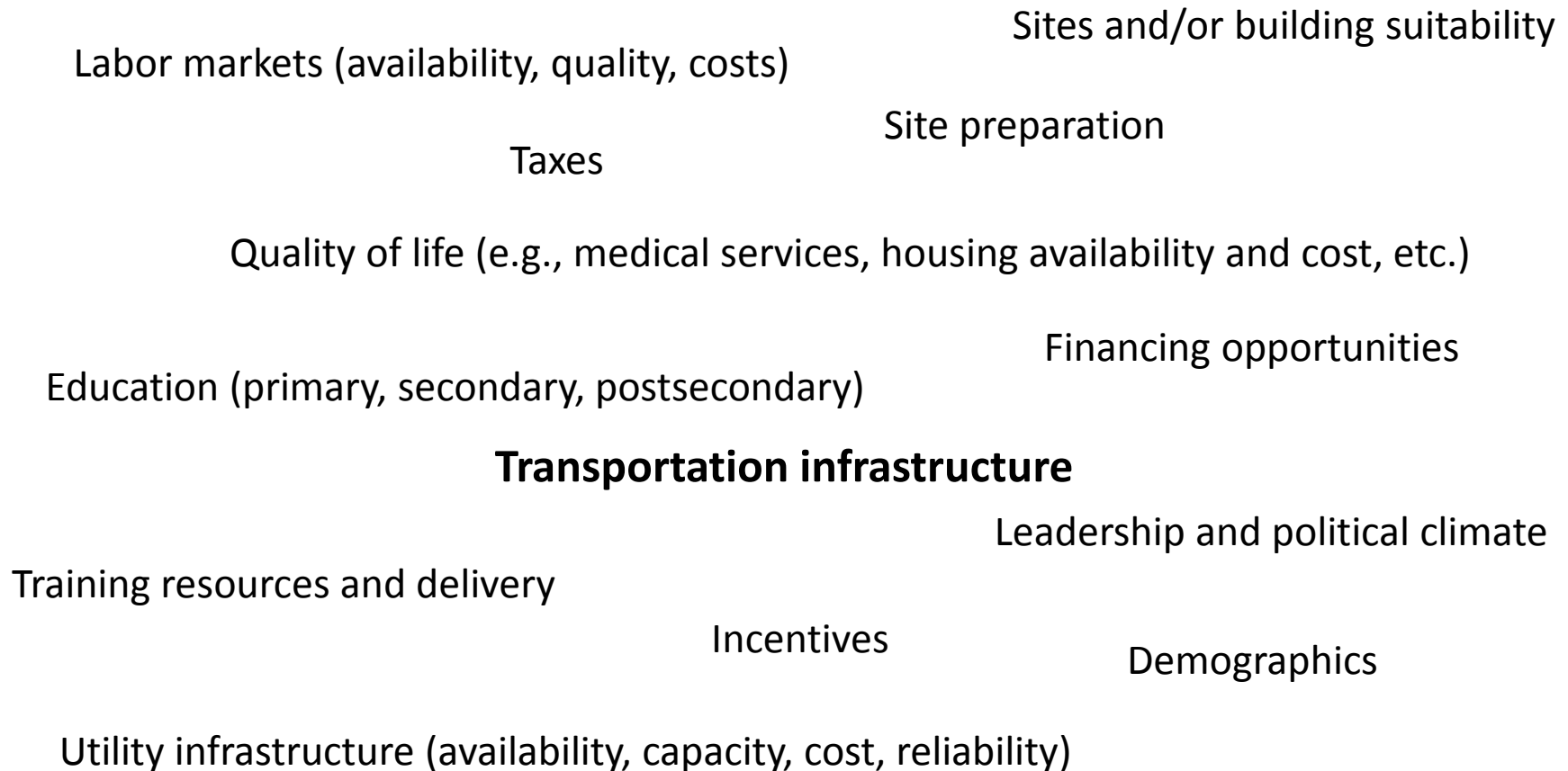
Transportation Mode	Study Completion Year														
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Aviation			◆						◆				◆		
Bike/Ped	◆										◆				◆
Ferry						◆						◆			
Highway				◆			◆				◆				
Ports							◆				◆				
Rail												◆			
Transit												◆			
Freight/Logistics					◆			◆							

Transportation As A System

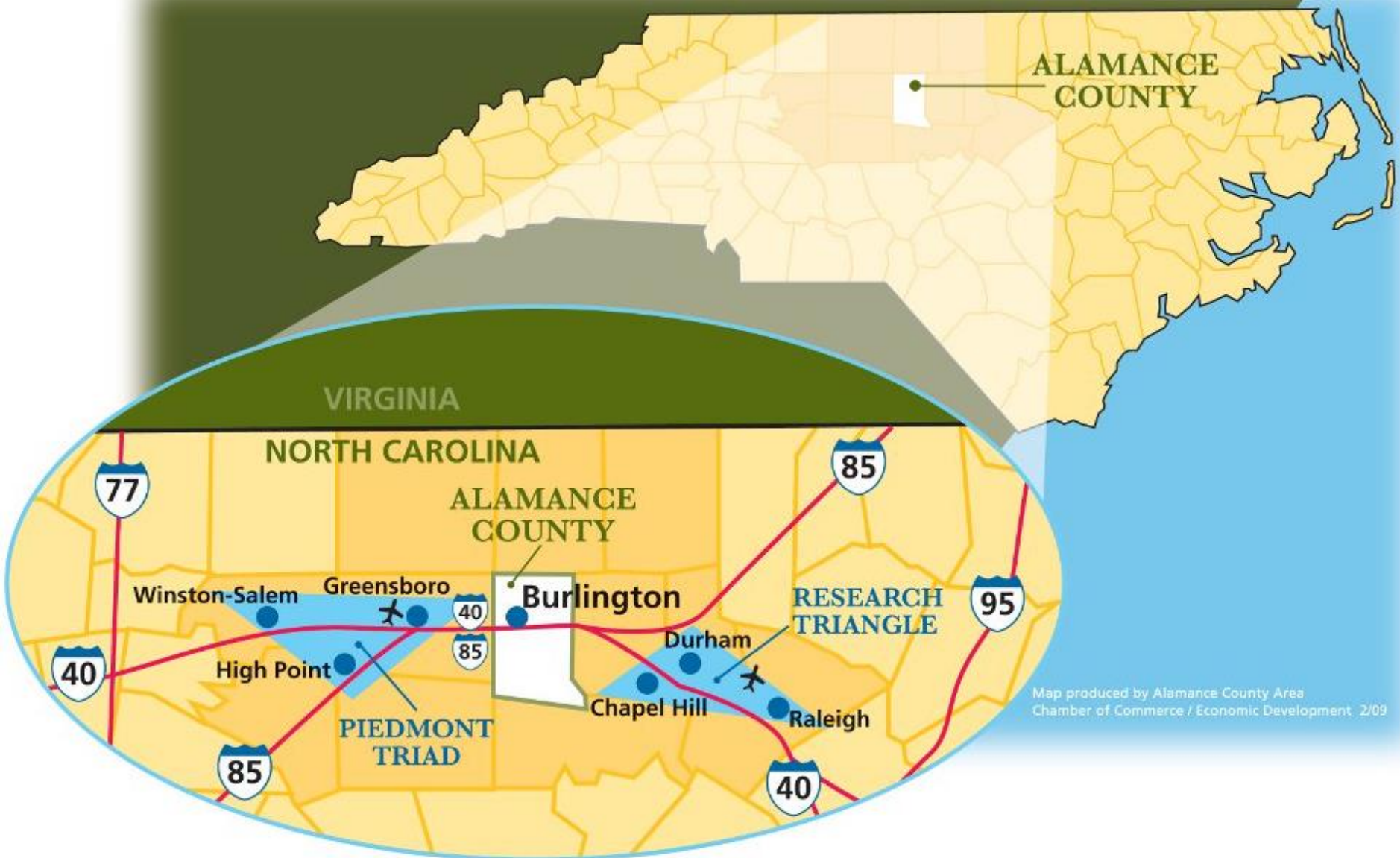


Image source: <http://www.lgcnsblog.com/>

Transportation → Part of the Puzzle



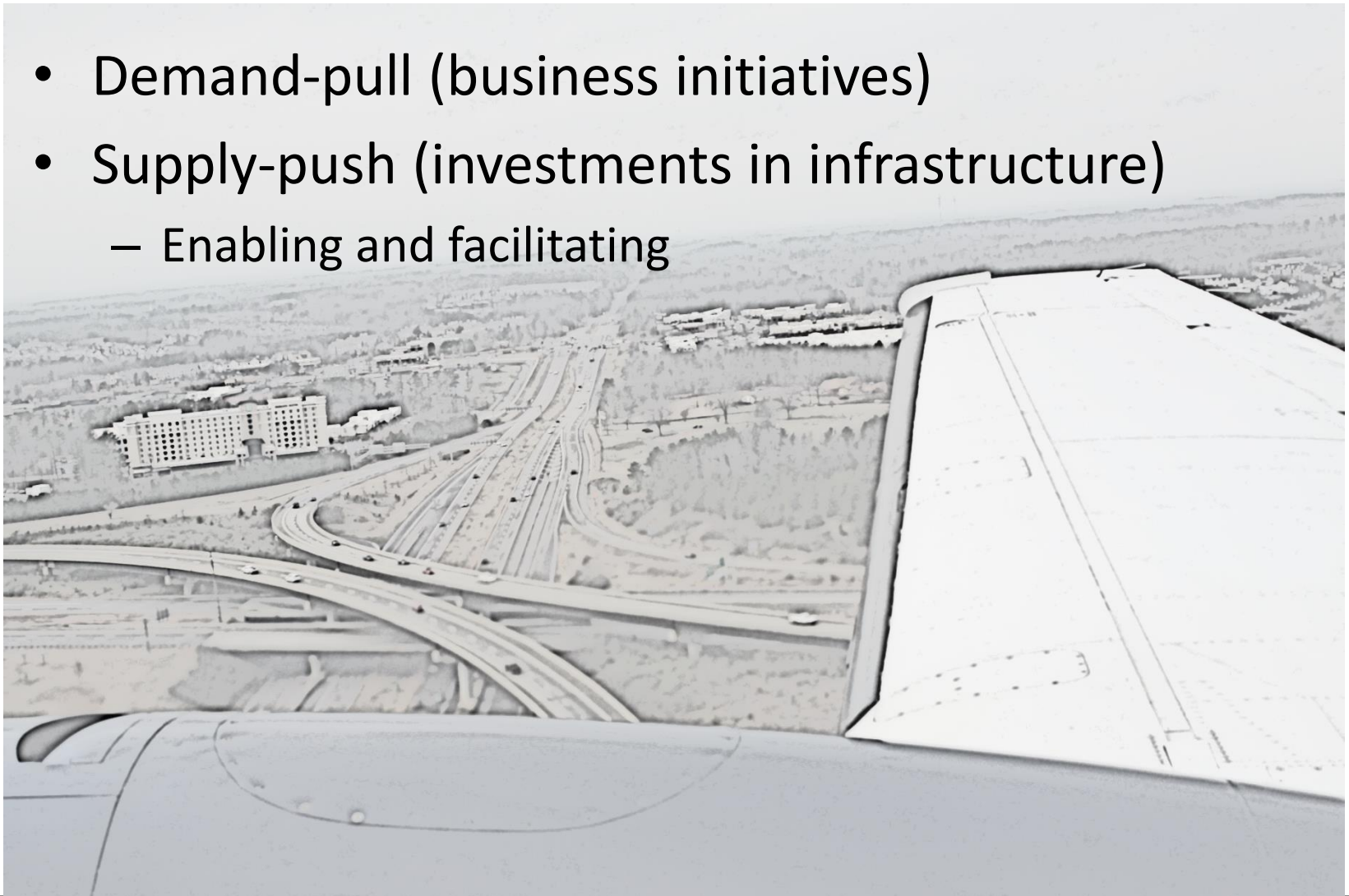
Source: Seven Portals Study: An Investigation of How Economic Development Can be Encouraged in North Carolina Through Infrastructure Investment. 2011.



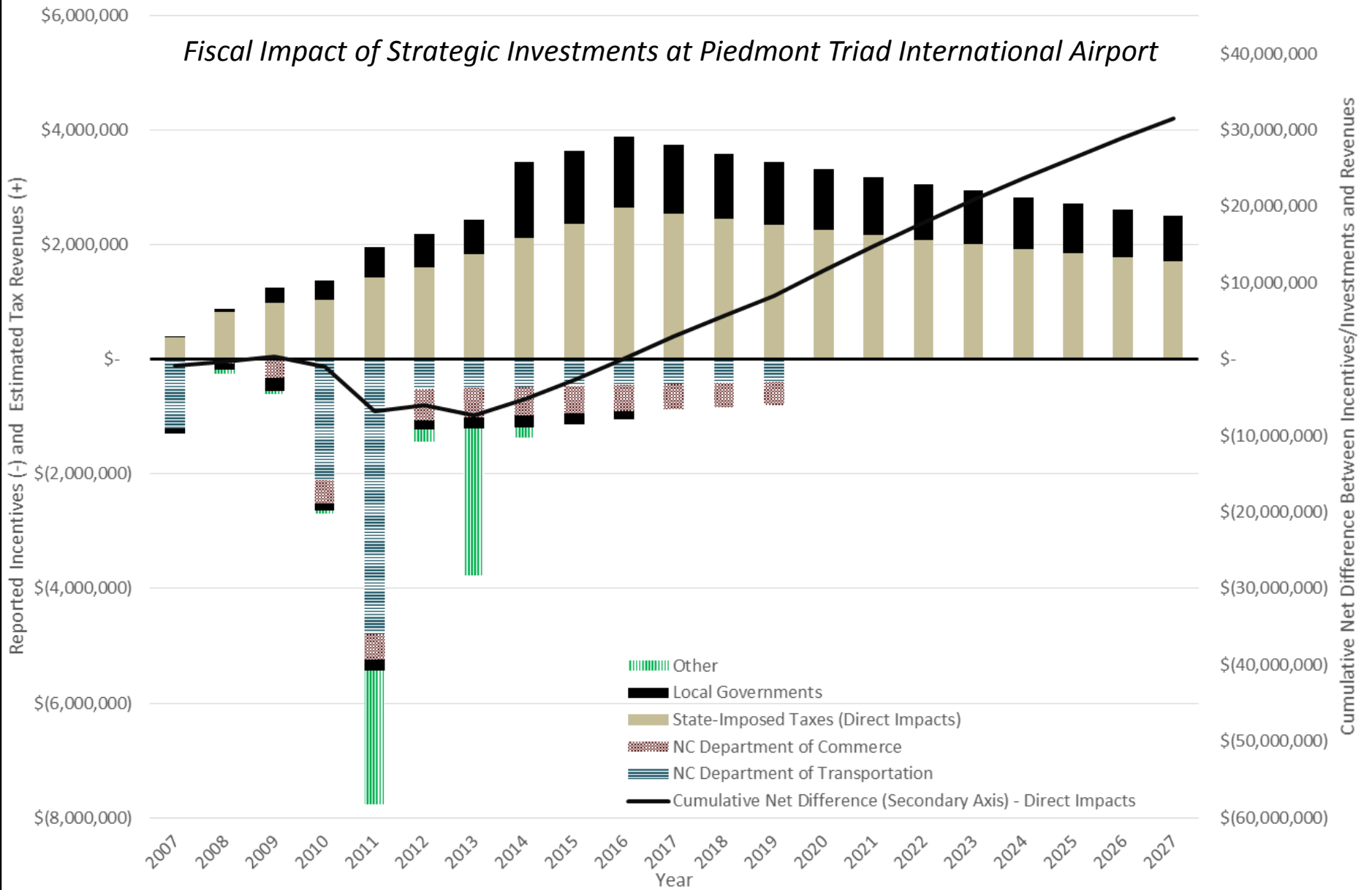
Pull vs Push



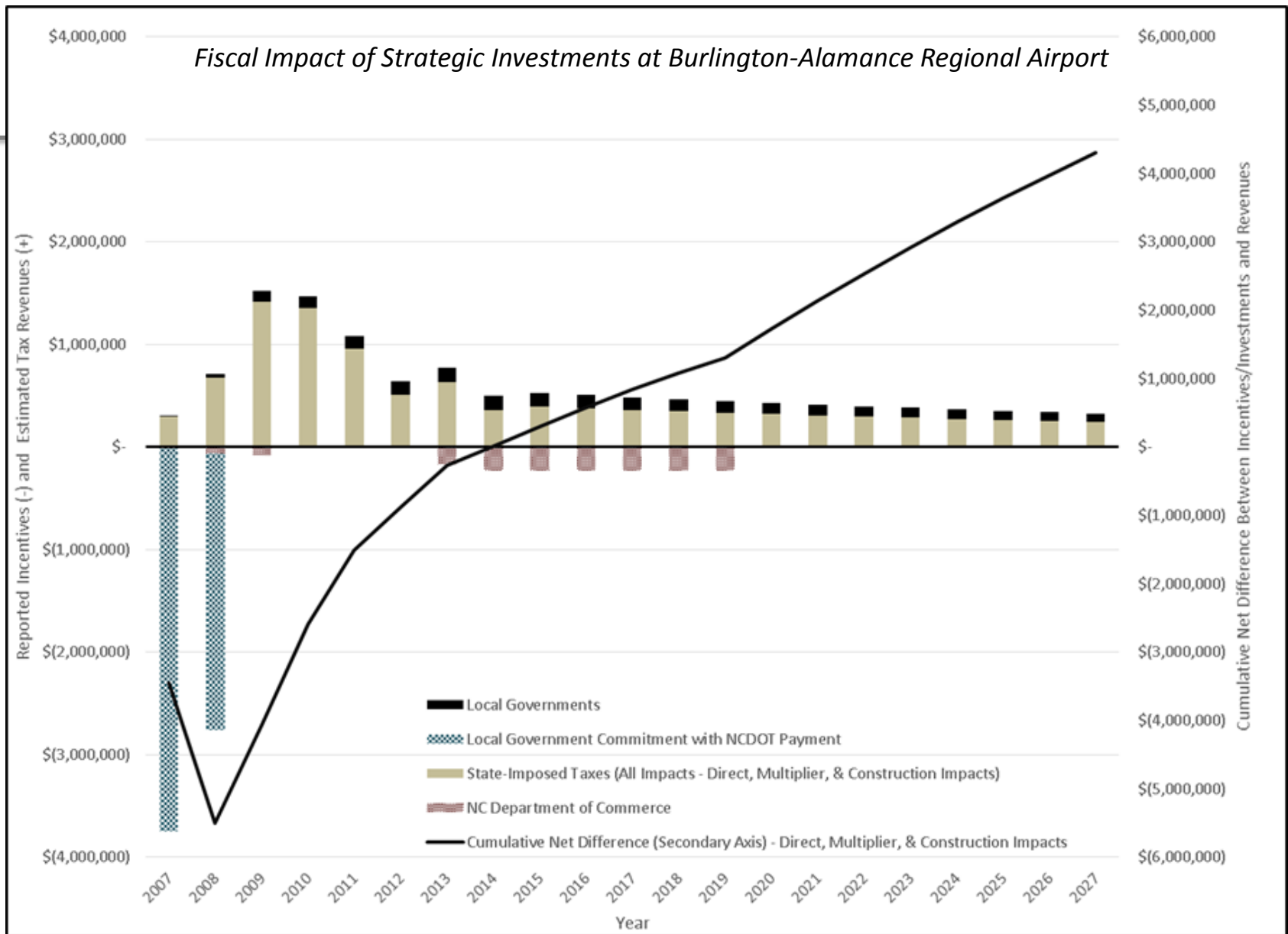
- Demand-pull (business initiatives)
- Supply-push (investments in infrastructure)
 - Enabling and facilitating



Fiscal Impact of Strategic Investments at Piedmont Triad International Airport

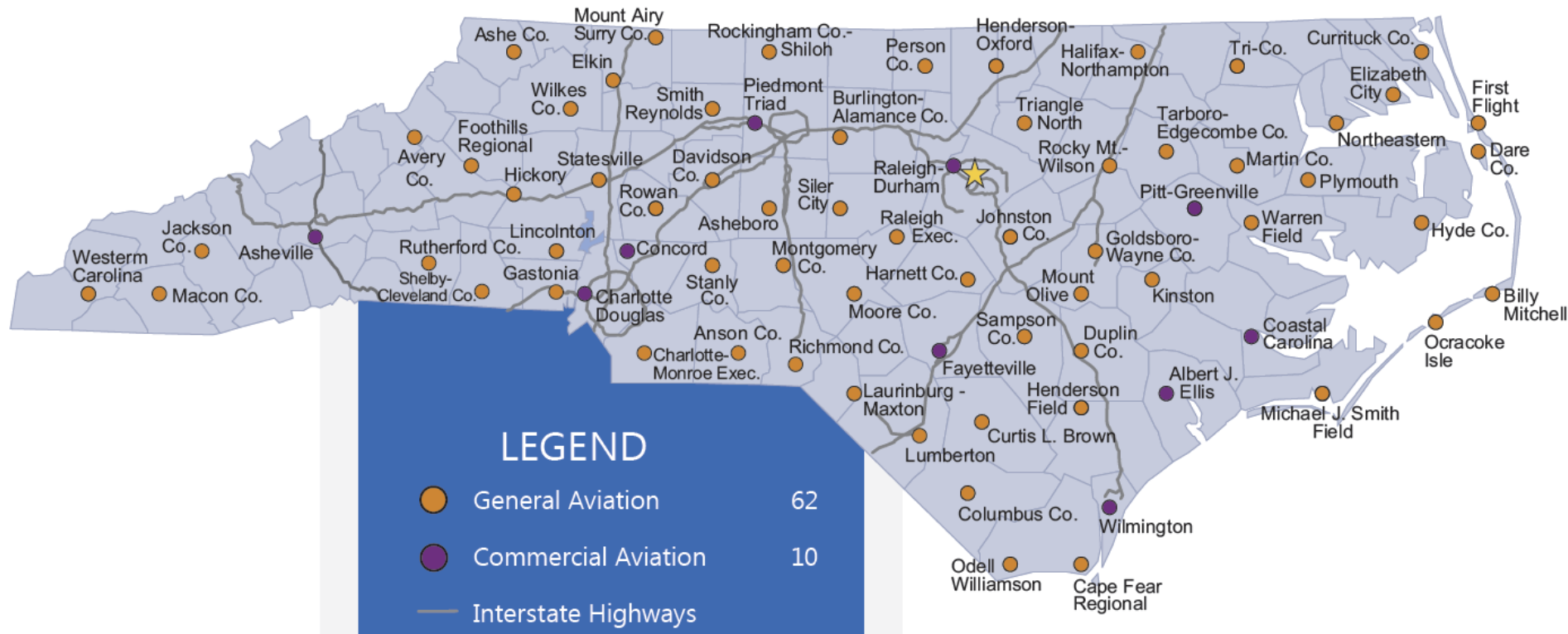


PTI: Cash Flow of Incentives/Investments and Tax Revenues (Direct Impacts)



BUY: Cash Flow of Incentives/Investments and Tax Revenues (All Impacts)

Airport Economic Contribution



Airport Infrastructure Needs



2015 State Tax Revenues (Non-payroll) Generated On-Site at N.C. System Airports

Source of Tax	Commercial Service Airports	General Aviation Airports	Total
Rental Car Operations	\$26,450,200	\$134,600	\$26,584,800
Food and Beverage Concessions	\$8,125,900	\$6,600	\$8,132,500
Retail (gifts, news, merchandise, etc.) and Services	\$4,297,600	\$1,980,000	\$6,277,600
Fuel (AvGas & JetA)*	\$2,000,000	\$1,222,700	\$3,222,700
Total	\$40,873,700	\$3,343,900	\$44,217,600

Source: Summary of North Carolina Aviation Taxes-September, 2015, Institute for Transportation Research and Education

Current O&M Shortfall for N.C. System Airports

	General Aviation Airports	Commercial Service Airports
Current O&M Projects	\$51 million	\$133 million
Current Funding (State & FAA)	\$36 million	\$66 million
Totals	-\$15 million	-\$67 million

Source: N.C. Division of Aviation

Source: "Propelling North Carolina's Economy Through Aviation." Findings and Recommendations from the North Carolina Aviation Development Task Force. April 2016.

On-Going/Future Research Efforts



- Analysis and Validation of Historical Transportation Investments
 - Develop case studies of economic impacts of highway projects
 - Communicate economic impacts
- Return-on-investment for airport infrastructure investments
- Prioritization and modeling for commercial airport investments
- Appropriate timing/amount of investments

Questions



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